

Luminex D

MgO Powder for the
Dental Investment Market



A reliable and consistent base material, improving the performance and quality of dental investment casting powders.

Morgan Luminex D is a range of high purity MgO powders for the dental mass market and has served the Dental Investment market for over 15 years, formerly marketed by Delamin Ltd under the name Delamag.

Customers value the performance of Delamag MgO powder, highlighting the stable base created by the powder's consistency, activity and physical properties. This consistency allows dental technicians to reduce variability in their formulations, making it easier to get the right mix first time, ton after ton!

All Delamag dental products are manufactured under strict process conditions and the activity is monitored on a regular basis to ensure batch consistency.

Luminex D Grades

The reaction time of magnesium oxide powder is critical in Dental Investment mixes. There are four standard powder grades for Dental but we can engineer our powders to meet specific customer requirements.

Luminex D (Dental) Grades

Luminex D S (Slow)

Luminex D F (Fast)

Luminex D ES (Extra Slow)

Luminex D EF (Extra Fast)



Luminex D MgO Powder Characteristics

- Narrow production parameters
- Custom reaction Time
- Consistent Activity
- High Purity MgO Powder

Contact us today for our most up-to-date datasheets and a grade recommendation tailored to your application.

Technical Data - Luminex D Grades

Data	Chemical Analysis	Typical			
Magesium	MgO	99.00%	Min		
Calcium	CaO	01.00%	Max		
Silica	SiO ₂	01.00%	Max		
Aluminium	Al ₂ O	00.50%	Max		
Iron	Fe ₂ O ₃	00.50%	Max		
Physical Data		Typical			
Colour	White / Off- white				
Loss on Ignition	01.00%				
Density	780 g/l				
Phase Temp	2600 °C				
Grade	250	S	F	EF	
Maximum Particle Size		Typical			
d97	250	180	120	40 μ	
d50	26 - 32μ	19 - 23 μ	11 - 13μ	8 - 10μ	
Activity (seconds)	240	180	140	110	

Please note that all values quoted are based on test pieces and may vary according to component design. These values are not guaranteed and should only be treated as indicative and for guidance only. 12.05.2021



Morgan Advanced Materials

At Morgan Advanced Materials, our purpose is to use advanced materials to help make more efficient use of the world's resources and to improve the quality of life.

Morgan's highly experienced scientists and application engineers actively engage with our customers to find new solutions for complex and technologically demanding problems.

We are building distinctive competencies in:

- Leading technology and materials science capability and process know-how
- Application engineering
- Customer focus, reputation for quality and delivery and brand

Our core strength is our ability to get to grips with individual customer problems, apply the science and engineer elegant and reliable solutions.

For all enquiries, please contact our specialist sales and marketing offices

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